Installation Manual

Concept Curve Embeddings Indexation

Artificial Intelligence with Unlimited Memory

Introduction:

This code allows you to create AI applications capable of analyzing entire documents—such as operating manuals, medical records, or legal texts—without any training, delivering perfect results without hallucinations, and at minimal cost.

It does not use R.A.G. or embeddings, requires no storage space, and is compatible with any LLM model—large or small, online or offline, and across both current and future technologies.

These capabilities are achieved through the **Concept Curve** paradigm developed by **Daniel Bistman**.

For detailed information about the Concept Curve paradigm and its software application, consult Agent CC, one of ChatGPT's personalities designed to explain this method: https://tinyurl.com/agent-cc

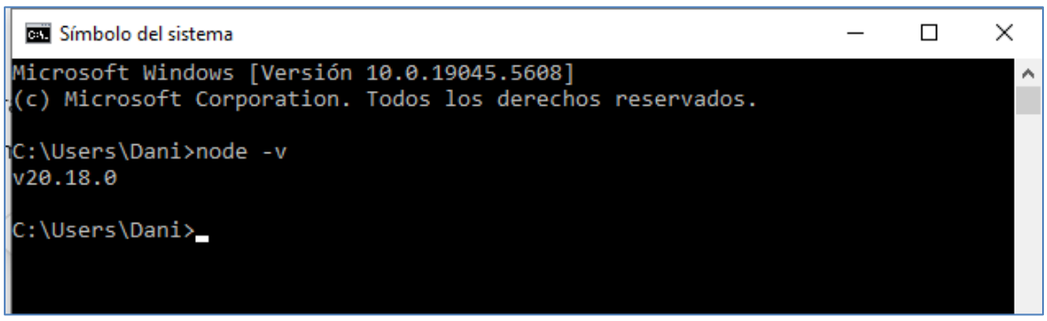
Section 1 – Installation (Windows, Linux, and Mac)

1. System Requirements

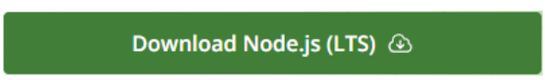
To run this application, you only need to install a few packages on your system. Make sure to meet the following requirements:

Step 1.1: Node.js (version 16 or higher)

To check if it's already installed, run the command in Windows terminal: `node -v`



If not installed, download it from https://nodejs.org/ and click on the download button:



On Debian/Ubuntu:

```
sudo apt update && sudo apt install nodejs npm
```

On Mac (using Homebrew):

```
brew install node
```

Step 1.2: Required Node.js Packages

The app uses the following Node.js packages, which will be installed automatically during the installation process:

- axios: For HTTP requests.
- body-parser: To parse request data.
- cors: To manage cross-origin access.
- dotenv: For environment variable management.
- express: Backend server framework.
- marked: Converts Markdown to HTML.
- pdf-parse: Extracts text from PDF files.
- tesseract.js: For Optical Character Recognition (OCR).

Manual installation is not necessary—they'll be installed in the next step.

2. Installation

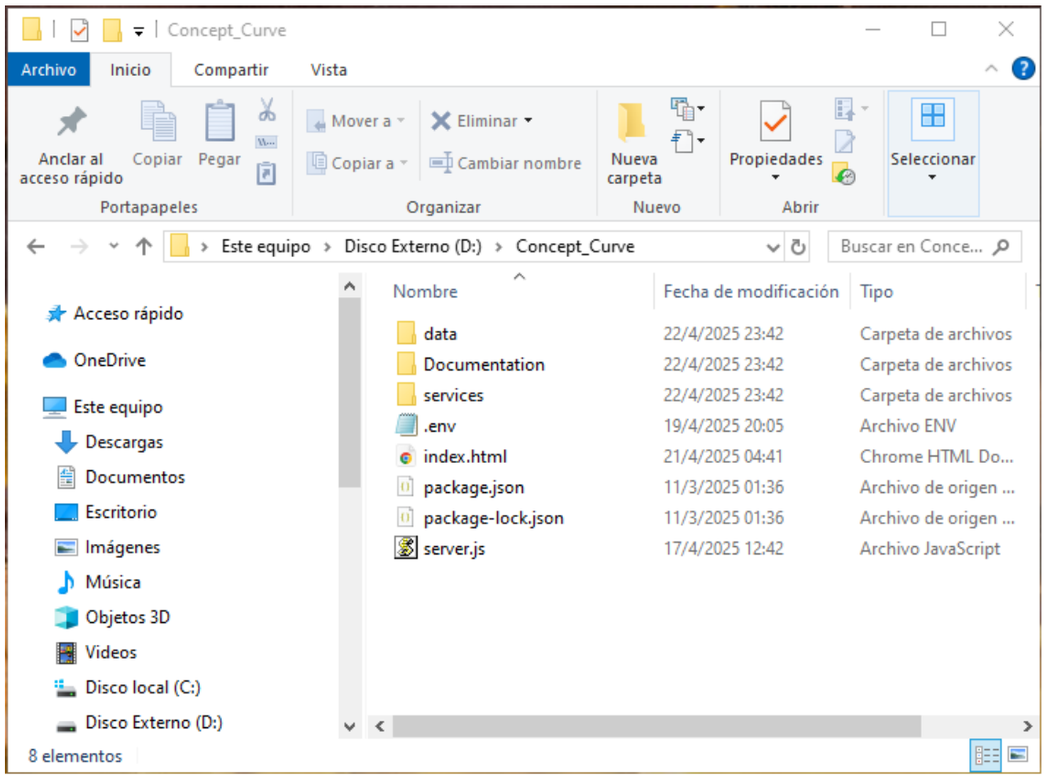
2.1 Download the Source Code

Extract the ZIP file to your desired folder. This English demo version comes in one version:

> Versión - conceptCurve_english_UCC.zip: This contains the Uniform Commercial Code of the State of Michigan, a document of approximately 220,000 tokens, divided into 17 chunks.

(See Section 2 – Configuration for more info)

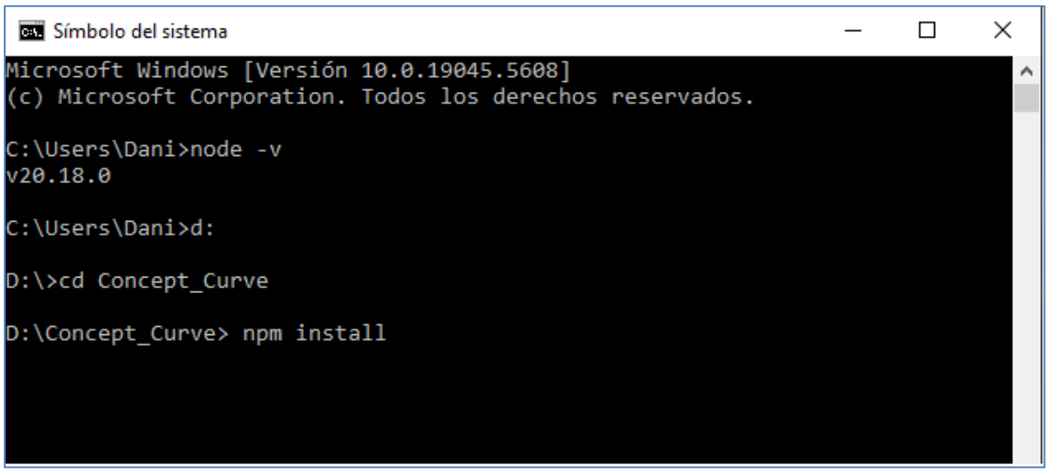
After extraction, the folder structure should resemble the provided figure.



At this stage, the Node.js dependencies are still missing. After the next step, a node_modules folder will be added.

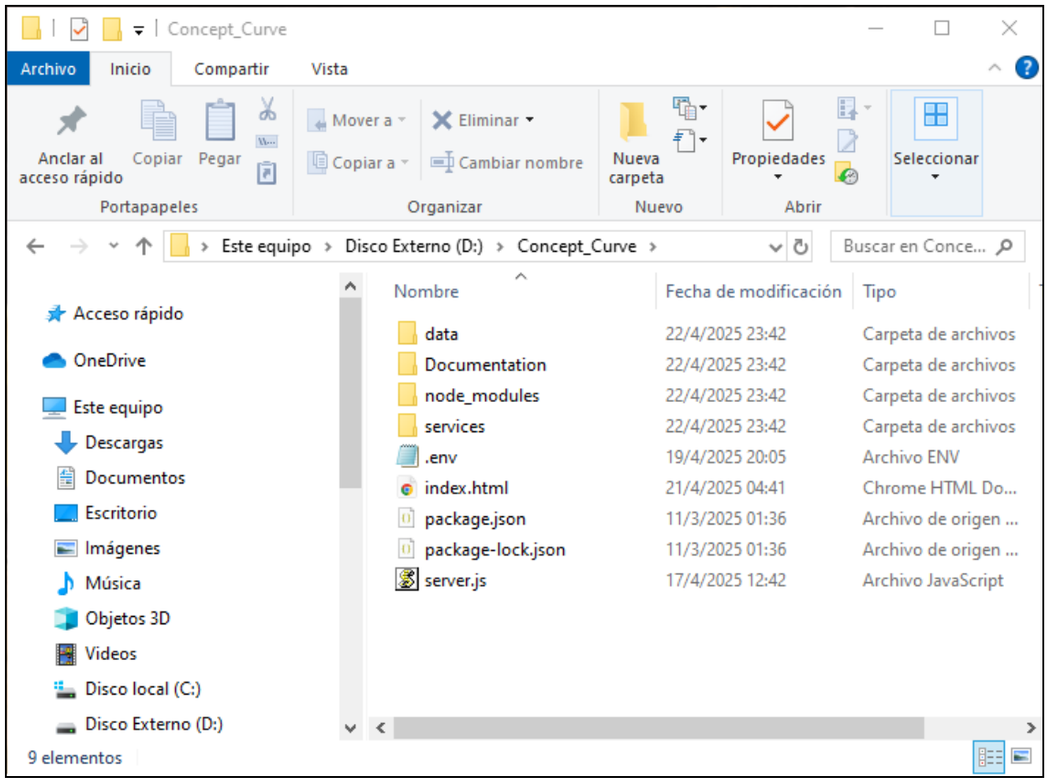
2.2 Install Dependencies

Navigate to the project folder (where package.json is located), then run: npm install to install the necessary dependencies.



2.3. Final File Structure

Once dependencies are installed, the folder structure will include:



Directory "data" contains document chunks, `_Document_Index.txt`, and `_Context_Index.txt`.

Directory "Documentation" contains code documentation and operational manuals.

Directory "node_modules" contains Node.js dependencies and libraries.

Directory "services" Includes the main algorithm in `query.js` and helper functions (`functions.js`, `smartFunctions.js`). This handles data processing, query analysis, and backend response optimization.

File ".env" Stores environment variables like the OpenAI API Key. Fill this in before running the app.

File "index.html" Main frontend interface. Open in a browser to access the app.

File "package.json" It contains the project's information, including its dependencies, scripts, and metadata. It's a key file for managing the development and production environment.

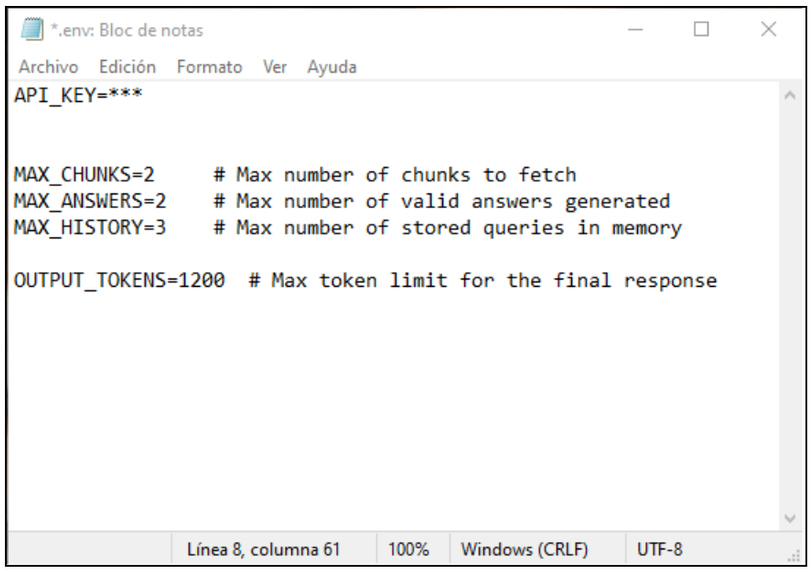
File "package-lock.json" Locks dependency versions for consistency.

File "server.js Backend entry point, manages requests and frontend communication.

2.3. Configuration

Before running the app, you'll need a valid OpenAI API Key.

Edit the .env file in the root directory (e.g., D:\Concept_Curve>) and insert your OpenAI API Key under:



For API Key instructions, consult video tutorials or Agent CC at: https://tinyurl.com/agent-cc

2.4. Installation Problems – Troubleshooting

If you encounter issues, ensure:

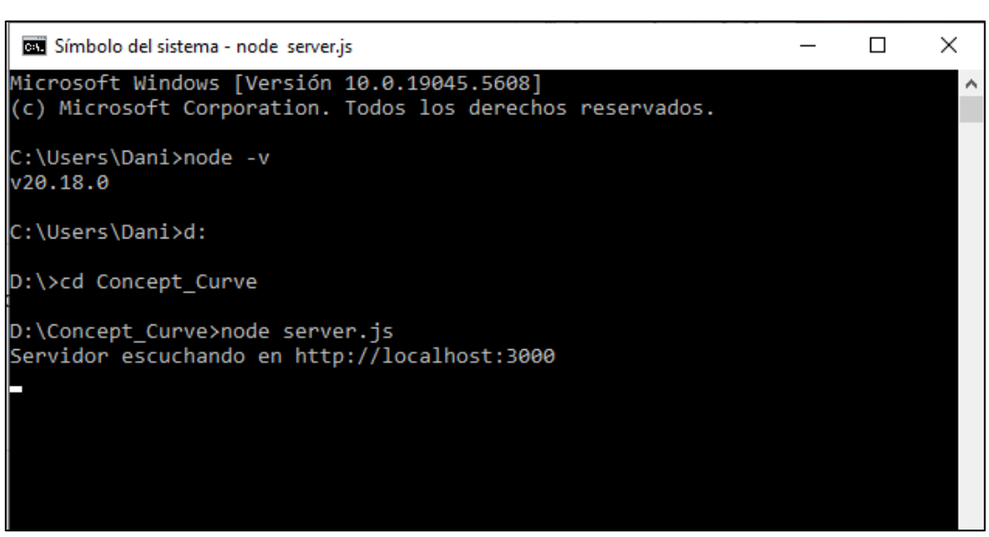
- Node.js dependencies are up to date.
- The .env file has the correct and current API_KEY.
- All steps have been followed exactly.

Still having trouble? Check the official Node.js documentation or consult ChatGPT or Agent CC for help resolving specific errors.

3. Running the Application

3.1 Start the Backend

To start the application, use the following command in the terminal: node server.js



At this point, Windows Firewall may ask to allow server.js Internet access. This is necessary to connect to the OpenAI API.

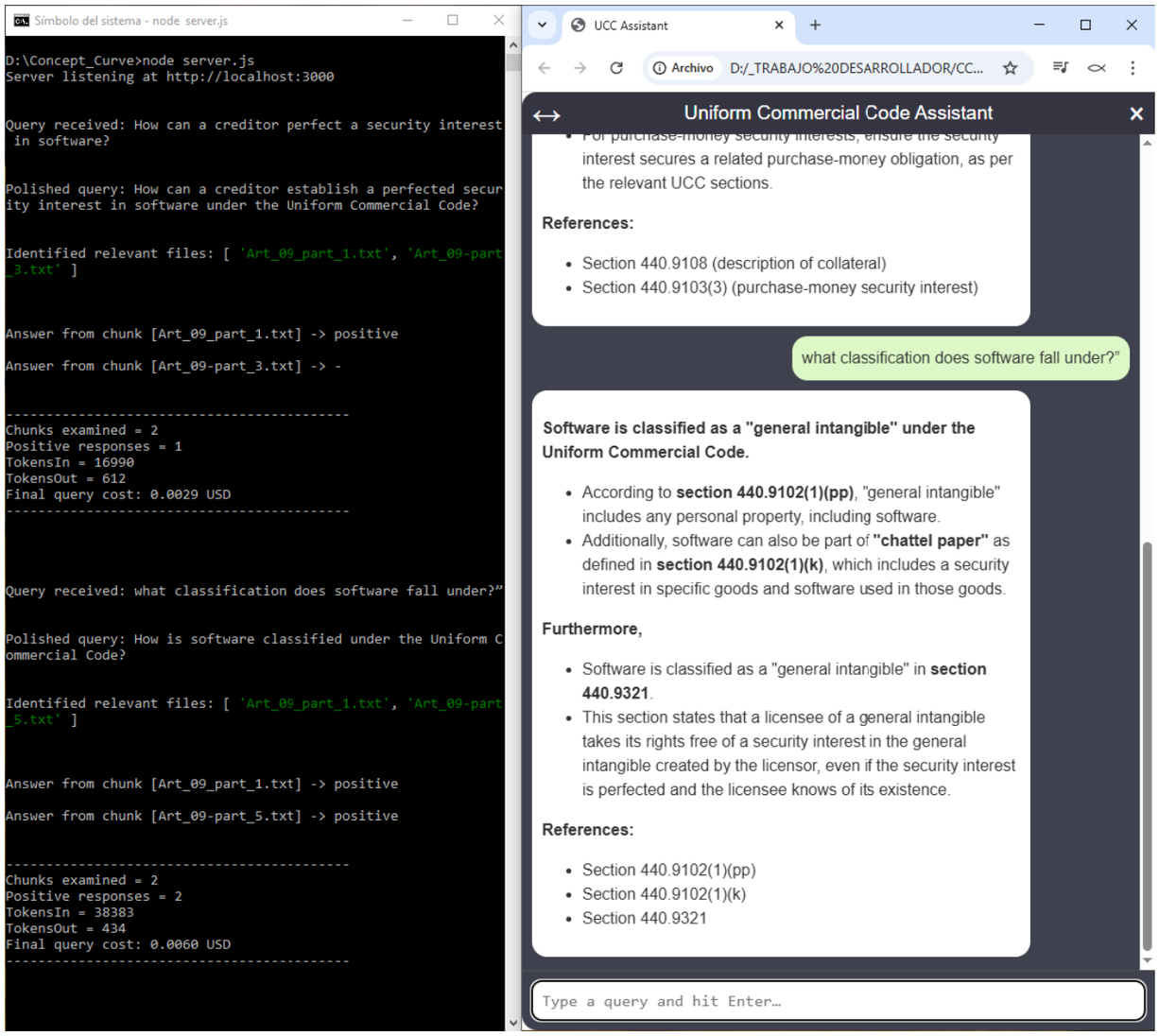
3.2 Start the Frontend

Ve al explorador de Windows y ejecuta el archivo index.html haciendo doble click en el archivo. Esto iniciará la interfaz de la aplicación, desarrollada en HTML.

En Linux y Mac

```
xdg-open index.html   # En Linux
```

```
open index.html      # En Mac
```



Done! The application is now running.